

### Claims

1. A fibre for thermal bonding comprising semicrystalline random copolymers of propylene, 1-hexene and optionally another  $\alpha$ -olefin, the amount of 1-hexene being from 0.75 to less 1.52 mol% (i.e. 1.5 to less than 3 wt%) with respect to the total weight of the copolymer, the said copolymers possessing a value of melt flow rate (MFR) ranging from 4 to 35 g /10 min and a molecular weight distribution, in terms of the ratio between weight average molecular weight and numeric average molecular weight ( $\overline{M}_w/\overline{M}_n$ ), ranging from 4 to 12.
2. The fibre of claim 1 wherein the copolymer has a molecular weight distribution from 5 to 9.
3. The fibre of claim 1 wherein the copolymer has a solubility in xylene at room temperature below 10 wt%.
4. A fibre of claim 1 further comprising up to 80% by weight of polyolefin (B) selected from polymers or copolymers, and their mixtures, of  $\text{CH}_2=\text{CHR}$  olefins where R is a hydrogen atom or a  $\text{C}_1\text{-C}_8$  alkyl radical.
5. Non-woven fabric obtainable from the fibres according to claims 1-4.